

LQ4 SERIES CONNECTOR



LQ4 Series quick disconnect couplings provide ultra-reliable, dripless connections and disconnections that protect valuable electronics. Designed specifically for liquid cooling applications, LQ4 utilizes patent-pending valve technology that eliminates drips and is able to withstand long-term use.

FEATURES

- Non-spill design
- Redundant sealing when connected
- Color-coding
- Friction-free valve
- Ruggedness
- Rotation allows movement

BENEFITS

- Disconnect under pressure with no spills
- Extra protection from leaks
- Instant visual difference in cooling lines
- Valving system designed for extended periods in connected state
- Able to withstand long-term, repeated use
- Eliminates tube kinking

Specifications ● ● ●

PRESSURE:

Vacuum to 120 psi, 8.3 bar

TEMPERATURE:

0°F to 240°F (-17°C to 115°C)

MAXIMUM FLOW AT DISCONNECT:

3.0 gal/min, 11.3L/min

MATERIALS:

Main housing components:

Chrome-plated brass

Valves and thumb latch: Polysulfone

Valve spring (wetted): Stainless steel

External spring: Stainless steel

Seals: EPDM

COLOR:

Chrome with Cool Blue or Warm Red

TUBING SIZES:

1/4" to 3/8" ID, 6.4mm to 9.5mm ID

LUBRICANTS: Krytox® PFPE

SPILLAGE:

0.025 cc per disconnect rated at 0 psi

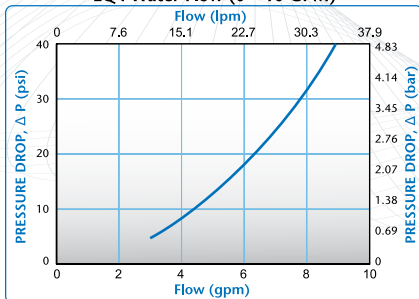
0.055 cc per disconnect rated at 120 psi

INCLUSION: 0.025 cc per connect

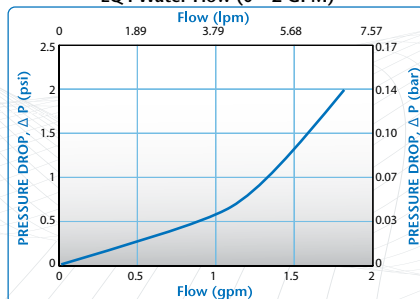
WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

⚠ These graphs are intended to give you a general idea of the performance capabilities of each product line. Contact CPC for flow of a particular coupling combination.

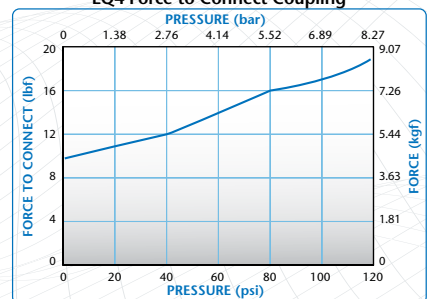
LQ4 Water Flow (0 – 10 GPM)



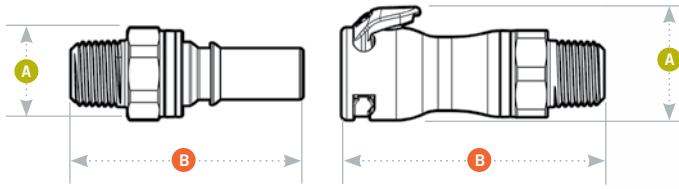
LQ4 Water Flow (0 – 2 GPM)



LQ4 Force to Connect Coupling



LQ4 DIMENSIONS



A = Height/Diameter
B = Total Length

Coupling Bodies • CHROME-PLATED BRASS

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	A	B
IN-LINE HOSE BARB	1/4" ID	6.4mm ID	LQ4D17004RED	0.98	2.49
	1/4" ID	6.4mm ID	LQ4D17004BLU	0.98	2.49
	3/8" ID	9.5mm ID	LQ4D17006RED	0.98	2.49
	3/8" ID	9.5mm ID	LQ4D17006BLU	0.98	2.49
IN-LINE STRAIGHT THREAD PORT SAE	1/4 SAE-4		LQ4D30004RED	0.98	2.29
	1/4 SAE-4		LQ4D30004BLU	0.98	2.29
	3/8 SAE-6		LQ4D30006RED	0.98	2.29
	3/8 SAE-6		LQ4D30006BLU	0.98	2.29
IN-LINE PIPE THREAD	1/4" NPT		LQ4D10004RED	0.98	2.31
	1/4" NPT		LQ4D10004BLU	0.98	2.31
	3/8" NPT		LQ4D10006RED	0.98	2.31
	3/8" NPT		LQ4D10006BLU	0.98	2.31
IN-LINE PTF	1/4" ID x 3/8" OD		LQ4D13006RED	0.98	2.46
	1/4" ID x 3/8" OD		LQ4D13006BLU	0.98	2.46

Coupling Inserts • CHROME-PLATED BRASS

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	A	B
IN-LINE HOSE BARB	1/4" ID	6.4mm ID	LQ4D22004RED	0.74	2.22
	1/4" ID	6.4mm ID	LQ4D22004BLU	0.74	2.22
	3/8" ID	9.5mm ID	LQ4D22006BLU	0.74	2.22
	3/8" ID	9.5mm ID	LQ4D22006RED	0.74	2.22
IN-LINE STRAIGHT THREAD PORT SAE	1/4 SAE-4		LQ4D46004BLU	0.80	2.02
	1/4 SAE-4		LQ4D46004RED	0.80	2.02
	3/8 SAE-6		LQ4D46006BLU	0.80	2.02
	3/8 SAE-6		LQ4D46006RED	0.80	2.02
IN-LINE PIPE THREAD	1/4" NPT		LQ4D24004RED	0.80	2.04
	1/4" NPT		LQ4D24004BLU	0.80	2.04
	3/8" NPT		LQ4D24006RED	0.80	2.04
	3/8" NPT		LQ4D24006BLU	0.80	2.04
IN-LINE PTF	1/4" ID x 3/8" OD		LQ4D20006RED	0.80	2.19
	1/4" ID x 3/8" OD		LQ4D20006BLU	0.80	2.19

All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters.